Operating instructions.

- Spheros 20
- Xelos SL 20
- Mimo 15
- Mimo 20

TV.

233–31669.022

LOEWE.

Contents

Remote control – TV functions **3**

Operating Panels **4-5**
- Cleaning the glass screen 4
- Exchangeable screen surround 5

Terminals on the set´s rear panel **6-7**

Welcome **8**
- Thank you 8
- Installation 8
- Cleaning 8

For your own safety **9**

Switching on for the first time **10-11**
- Batteries – Remote control 10
- Connection 10
- Switching on 10
- Preparing automatic programming 11
- Sorting channels 11
- Deleting channels 11
- Reserving/inserting channel position 11

Daily use **12-20**
- Switching on/off 12
- Status display 12
- Timer options 12
- Changing channels 13
- Channel preview 13
- Adjusting the sound 13-14
- Adjusting the picture 15
- Standard settings 15
- Parental lock 15
- Onscreen displays 16
- Teletext mode 16-18
- Radio mode 19-20

Operating extra equipment **20-26**
- Connecting and operating audio/ video equipment 21
- Video playback over TV aerial input 21-22
- Connecting the video recorder via AV cable 22-23
- Operating video equipment via operating strip 23
- Video menu and timer recording 23-24
- Changing or cancelling the timer 24
- Connecting a TV-camera or Camcorder to the VIDEO IN or AVS sockets 24-25
- Video playback via other channel numbers 25
- Decoder channels 25

Converting remote control for VTR or DVD equipment **26**

Index **26**

Setting channels manually **27**

What to do when… **28-29**

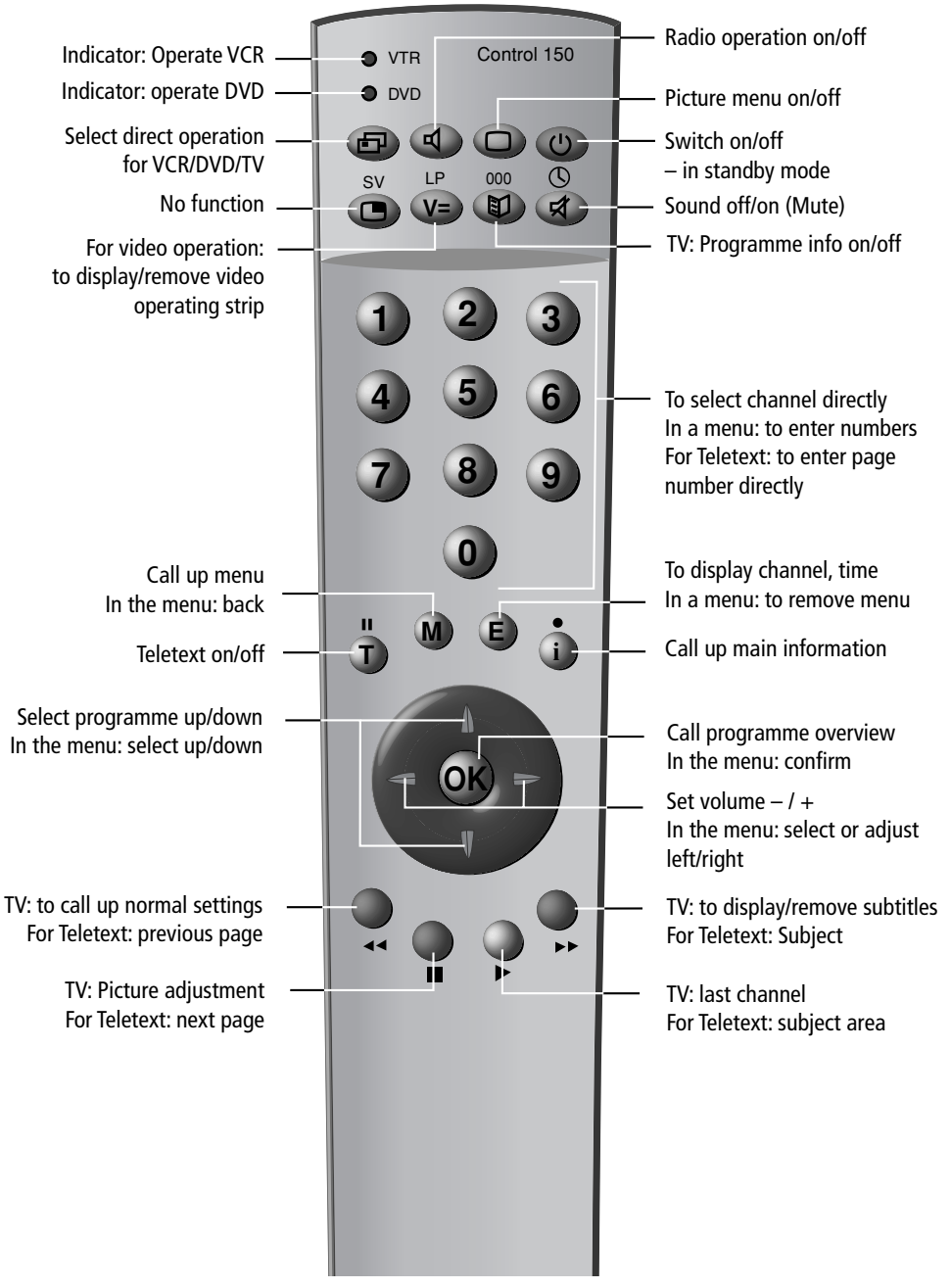
Technical data **30**
- Mechanical data 30
- Electrical data 30
- Available accessories 30

Service addresses **31**

Secret number **32**

31669_022_Mimo15_Spheros_GB 2 26.01.2004, 13:58 Uhr

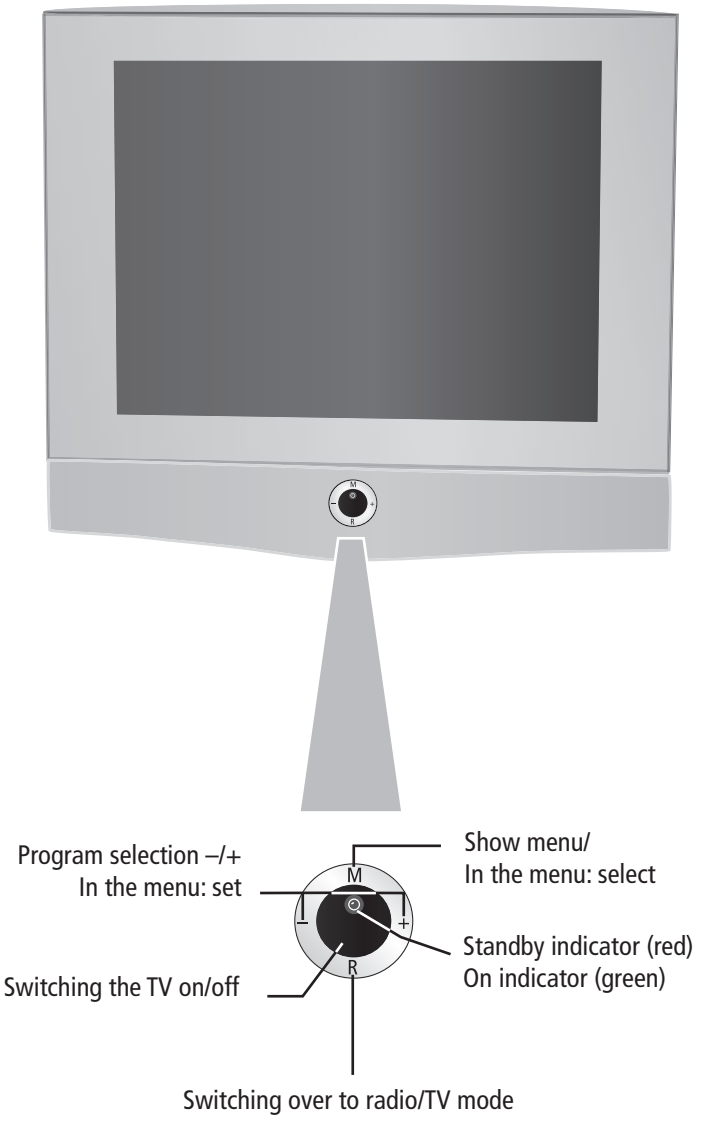
Remote control – TV functions



31669_022_Mimo15_Spheros_GB 3 26.01.2004, 13:58 Uhr

Operating Panels

Spheros 20
Xelos SL 20



Cleaning the glass screen

The inside of the front panel and the LCD screen must be cleaned from time to time. Only remove the front panel when the TV set has been switched off and has cooled down. The metal frame of the LCD panel may get hot (up to 60°C) during operation!

- Gently press the glass screen and slide the screen uniformly to the left.
- Move the glass screen upwards, tilt the top edge approx. 10° away from the TV set and remove the glass screen.

Use a plastic cleaner to clean the LCD screen and a glass cleaner for the glass panel.
Replace the front panel:

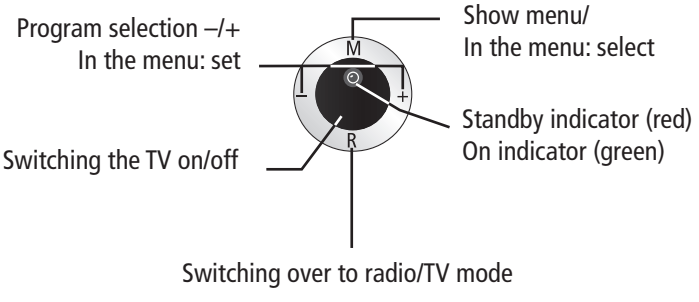
- Make sure that you do not damage the LCD screen with the hooks on the front panel.
- Position the hook side of the glass screen in front of the TV set, with the bottom closer than the top (i.e. inclined approx. 10°). The screen should extend out about 10 mm at the top and be offset by about 5 mm to the left.
- Hang the two lower hooks with the thin ends of the hooks in the lower brackets and push the screen up onto the TV set. Press the glass screen gently against the front of the TV set.
- Then push the glass screen downwards and sideways (to the right).
- You can align the glass panel to the right or left if necessary.

Please observe and follow the safety instructions on the next page.

31669_022_Mimo15_Spheros_GB 4 26.01.2004, 13:58 Uhr

Operating Panels

Mimo 15
Mimo 20

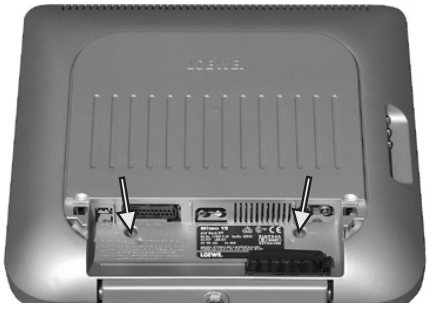


Exchangeable screen surrounds

To personalise your Mimo television, Loewe offers exchangeable screen surrounds in the following colours: Platinum, Cream, Anthracite, Ocean Blue or Cayenne Red.

To remove the existing screen surround:

- Remove the cable cover on the rear of the appliance by simultaneously pressing the two plastic locating lugs downwards (see arrows in the diagram on page 8), then lift off the cover.
- Remove the two "Torx TX 10" screws on the back wall.



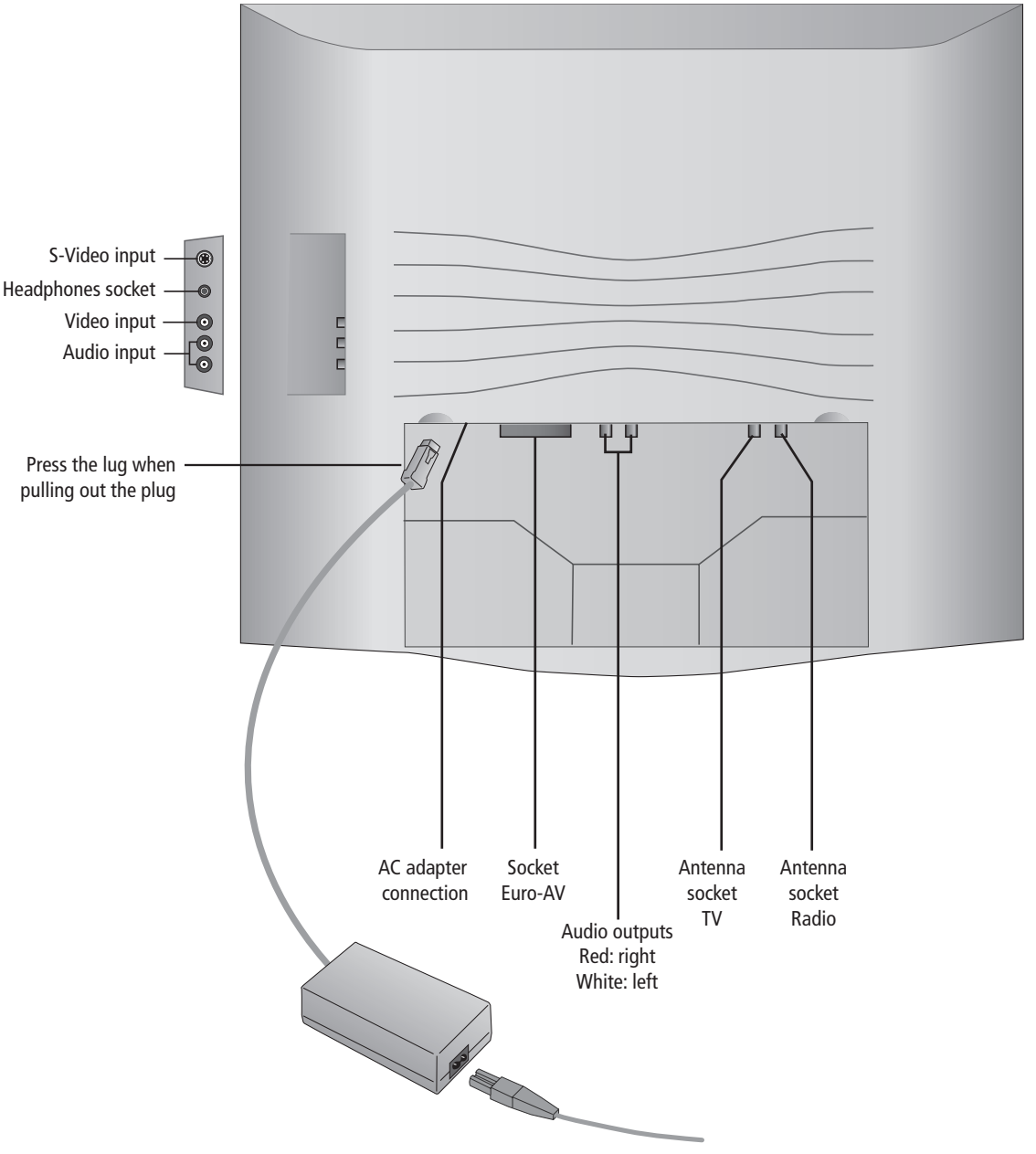
- Pull out the screen surround by its lower edge and unhook it at the top.

To insert the exchangeable screen surround:

- First, hook on the exchangeable screen surround above the screen and then press it in at the bottom.
- Take care that all lateral lugs of the exchangeable screen surround engage in the 6 black plastic holders.
- Attach the exchangeable screen surround to the rear of the appliance with the two screws.
- Re-attach the cable cover.

31669_022_Mimo15_Spheros_GB 5 26.01.2004, 13:58 Uhr

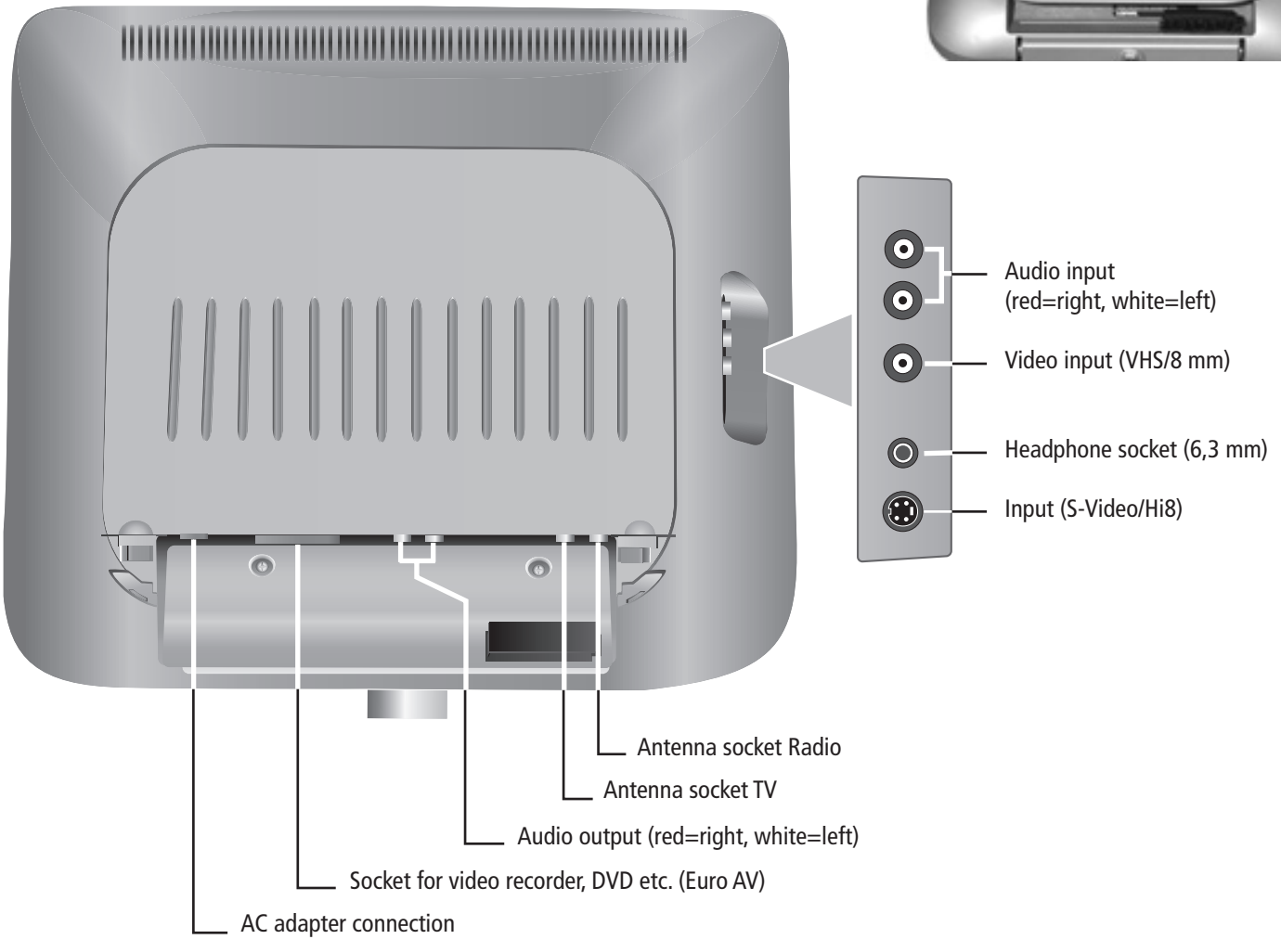
Terminals on the set´s rear panel
Spheros 20/ Xelos SL 20



31669_022_Mimo15_Spheros_GB 6 26.01.2004, 13:58 Uhr

Terminals on the set´s rear panel
Mimo 15/ Mimo 20

Remove the cable cover on the rear of the appliance by simultaneously pressing the two plastic locating lugs downwards (see arrows in the diagram).



31669_022_Mimo15_Spheros_GB 7 26.01.2004, 13:58 Uhr

Welcome

Thank you,

for choosing a Loewe product.
We are happy to have you as a customer.

At Loewe we combine the highest demands on technology, design and user friendliness. This applies equally to TV, video and accessories. Neither the technology nor the design shall be an end in themselves but shall rather provide our customers with the greatest possible viewing and listening pleasure.
With the design, we have not let ourselves be guided by short-lived fashion trends. After all, you have purchased a high-quality appliance which you don't want to get tired of looking at tomorrow or the day after.

<u>About the appliance</u>
We have designed the TV so that you can operate it easily with the aid of menus. For example, display the Main Information using the i-button on the remote control The equipment features of your TV will be displayed under "Technical spec. of TV set".

As far as the operation of the TV set is concerned, you can call up important functions directly from the index.

<u>About the Remote Control</u>
You can control three Loewe appliances with the remote control; this TV set, as well as a video recorder and a Loewe DVD player.

Installation

Please note that the feet of the TV set can leave impressions on soft wood furniture (e.g. fir, pine, spruce etc.) and make marks when moved. The plastic material of the feet contains softeners which could attack the surface of some furniture.
Use a firm base about the same size as the standing area of the foot in such cases.
To move the set grip it only by the case and not by the filter screen.
The filter screen and the LCD display screen beneath it are made of glass and may break if incorrectly handled. In the event of damage to the LCD screen (not the glass screen) and possible escape of liquid crystal it is essential to wear safety gloves to move the set. If any of the liquid contacts the skin, thoroughly rinse the affected areas with water immediately.

Note
Throughout the screen's service life pixel faults in the form of lighter or darker patches on the screen may occur; this phenomenon is characteristic of LCD displays. It is not a defect.

Ensure the quality of the picture is not impaired by reflections of bright light or sunlight.

Please observe and follow the safety instructions on the next page.

Cleaning

Clean the TV set and the remote control only with a clean, soft, damp cloth (do not use aggressive or abrasive cleaning agents).
Use a glass cleaner for cleaning the screen. Spray it onto the glass and wipe off with a lint-free cloth until there are no marks.

31669_022_Mimo15_Spheros_GB 8 26.01.2004, 13:58 Uhr

For your own safety

For your own safety and in order to avoid unnecessarily damaging your TV set, please read and observe the following safety instructions:

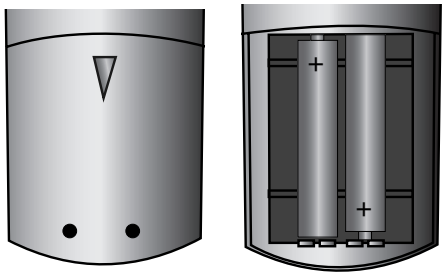
- This TV set is designed exclusively for receiving and reproducing audio and visual (AV) signals.
- Do not place any objects containing liquids e.g. flower vases or lit candles on top of the equipment.
- This equipment is designed for the home and office and may not be operated in rooms with a high humidity (e.g. bathrooms, saunas) or high concentration of dust (e.g. workshops). If the equipment is used temporarily outdoors, make sure it is protected against moisture (rain, dripping or splashing water or condensation). High humidity and dust concentrations lead to creep currents in the equipment which can lead to danger of electric shock or fire. The manufacturer guarantee only applies for use in the specified permissible environment.
- This equipment may only be connected to a power supply with the voltage and frequency specified on the rating plate with the power cable/AC adapter provided. The wrong voltages could damage the equipment.
- If the set is moved from a cold environment to a warm room, condensation forms on all parts of the set. Moisture produces creep currents in the set which can cause a fire. In this case, you should leave the set for a reasonable time to acclimatize (when the condensation on the screen has evaporated) before switching it on.
- Like every piece of electronic equipment, your TV needs air for cooling. Obstructing the air supply to the set can cause fires. The air vents on the back of the TV set must always be kept free. Do not leave newspapers or cloths lying on the TV set.
- Stand the TV set in a place where it is not exposed to direct sunlight or additional heating from radiators.
- Avoid dropping metal objects, needles, paper clips, liquids, wax or similar into the air vents at the back of the set. This causes short circuiting of the set and could start a fire. If anything should get inside the set, switch it off immediately, pull out the plug and call the after-sales service to check it.
- You should never attempt to remove the rear panel of the TV yourself. The set operates with high voltages which could be fatal. Leave repairs and servicing of your TV set to authorized TV technicians.
- Do not allow children to play close to the TV set, they could knock, push or pull it from the stand and injure someone.
- Do not place the TV anywhere where it may be exposed to vibrations because this can lead to overloading of materials.
- Do not leave the TV on unsupervised.
- Pull out the antenna and mains plugs during a thunderstorm. Surge voltages from lighting strikes can damage the set both through the antenna system and the mains. You should also pull out the antenna and mains plugs during long periods of absence.
- The mains plug of the TV must be easily accessible so that it can be disconnected from the mains quickly at any time.
- Lay the power cable so that it cannot be damaged. The power cable may not be kinked or laid over sharp edges, and may not be walked over or exposed to chemicals; the latter applies for the entire TV set. A power cable with defective insulation can lead to electric shocks and is a fire risk.
- When you pull out the mains plug, do not tug the cable but hold the housing of the plug. The cables in the mains plug could be damaged and cause a short circuit the next time it is plugged in.

31669_022_Mimo15_Spheros_GB 9 26.01.2004, 13:58 Uhr

Switching on for the first time

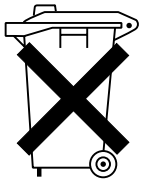
Batteries – Remote Control

To insert or replace the batteries, press where an arrow is imprinted. Slide the battery compartment cover downwards and remove it. Insert Alkaline Manganese LR 03 (AAA) batteries and make sure + and – poles are located in the correct positions.



Then slide on the cover again.

Notes on battery disposal:



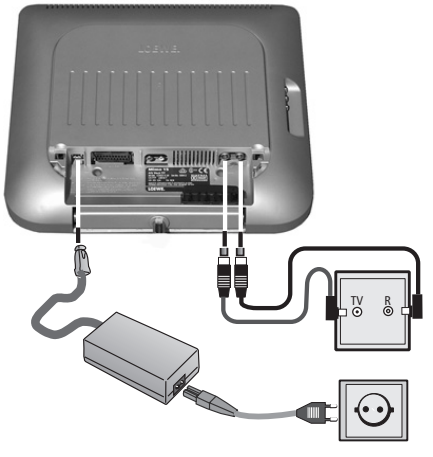
The original batteries do not contain any pollutants such as cadmium, lead and mercury. Used batteries do not belong in the domestic waste. They must be taken to the appropriate collection points according to the national laws. Ask your dealer.

Connecting

Remove the cable cover on the rear of the appliance by simultaneously pressing the two plastic locating lugs downwards (see arrows in the diagram), then lift off the cover.

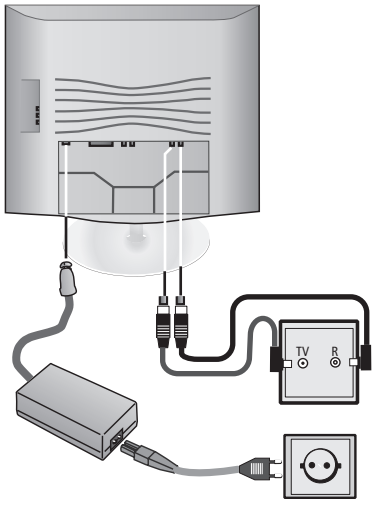
Mains

Connect the AC adapter to a 230 Volt/50–60 Hertz outlet.
Plug the low voltage cable of the AC adapter to the "AC adapter" socket on the TV set.



Antennae

Connect your antenna or cable system to the VHF/UHF antenna socket. Connect your radio antenna system or cable system to the RADIO antenna socket.



Move the cables downwards and outwards. Open the cable holder in the lower area and lay the cables in the cable holder. When all cables are positioned correctly, close the cable holder. Refit the cover by inserting it into the two lower slots and clipping it shut at the top.

Switching on

The indicator and the on/off switch are combined in one unit.
Press the on/off button. The green ON indicator lights.

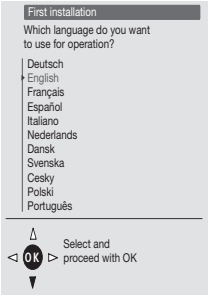
When you switch on **for the first time** the automatic programming of the TV is prepared. If the equipment has already been in operation, you can repeat the first commissioning, e.g. after moving house. To do this, call the "Main information" with the **i** button. Then select "First installation" in the "Index". Then start "First installation" with **OK**.

→

31669_022_Mimo15_Spheros_GB 10 26.01.2004, 13:58 Uhr

Switching on for the first time

Selecting and adjusting using the remote control and the on-screen menus:
The line / function selected from the menu is displayed in blue.
The buttons for the relevant operation are depicted symbolically in the lower part of a menu. Possible directions for making selections are represented by solid black arrow head(s). Additional button symbols are displayed for other operating options in a menu. Use **M** to take you back to the previous menu or **E** to remove the menu.
For example:



Use the up / down arrows imprinted on the ring of the remote control to select a line / term in the menu

confirm the selection with **OK**, this will save a setting or take you to the next menu.

Make a selection using the right/left arrows, or change the settings.

Preparing automatic programming

Follow the menus and perform the necessary adjustments in the following sequence.

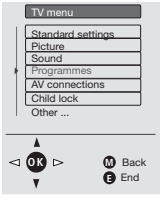
- First you have to select the menu language for your TV set using the **remote control**.
- Pressing the **OK** button will take you to the "**Location of TV set**" menu.
  Indicate the country in which you are using the appliance.
- Pressing the **OK** button will take you to the "**Automatic channel search**" menu.
  Indicate the country in which you are using the appliance.

Automatic search and store for terrestrial or cable TV and radio programs:
After you have answered all the questions concerning the automatic programming, the selected settings are displayed.
To search for and store the stations select ...

- the "Start search" line.
- Then start automatic programming with the **OK** button.
  The TV searches for, stores and sorts all TV programs which your antenna system receives and then shows the program preview.
- Press **OK** again for the radio program search.
- When the radio program preview appears, hide it with the **E** button.

Sorting channels

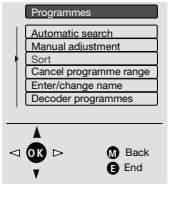
You can alter the sequence of channels.



Call up the "TV Menu" with the **M** button.

Select the line "Channels".

Call up the menu "Channels" with the **OK** button.



Select the line "Sort".

Call up the menu "Sort" with the **OK** button.

The channel preview is displayed in the "Sort" menu.

Select the name of the channel that you want to move.

Tap the blue button.

Move the channel name to the desired channel number. The channel name that was next to this number moves down a position.

End the procedure by tapping the blue button again.

If other channels are to be sorted, repeat the operating steps.

Deleting Channels

You can delete a channel from the channel preview, for example, if it has been saved twice.

Select the name of the channel that you want to delete.

Tap the red button.
All the other channels will move up a position.

Reserving/Inserting Channel Position

Select a channel number.
A position is reserved by pressing the yellow button.

All the subsequent channels will move down a position.

31669_022_Mimo15_Spheros_GB 11 26.01.2004, 13:58 Uhr

Daily Use

Switching On/Off

If the TV set is switched on, you can switch it to standby using the blue On/Off button on the remote control. The red standby indicator on the set will light up.
Power consumption in standby mode drops below 3 watt.
NB: If the green indicator light is lit and the screen is dark, the "Timer record" function is active.

You can switch back on out of standby with the blue On/Off button or one of the number buttons (program 0 – 9).

If you want to switch on the radio, press button ◁ for radio mode.

In all cases the green On lamp then lights up.

The ON lamp and the On/Off switch are in one combined unit.

All indicators go out when you switch off the TV with the On/Off switch.
It is advisable to pull out the mains plug in longer periods of absence.
Note:
The set can then not be switched on with the remote control.

Switching on the TV set:
If the TV set has been switched off with the On/Off switch, you have to switch it back on with the On/Off switch.

Status display

Show/hide the status display. Program number, program name and sound identification are displayed.
In addition, the time, wake-up time and switch-off time can be displayed. You can set the displays yourself:
Call "On-screen display" in the "TV menu" under "Others" – and specify which onscreen displays you want.
The "Sound info" menu item is only activated or deactivated for the display when changing programs.
The time and date are set automatically if a broadcasting station with Teletext is received. If the time is not correct, enter the information manually in the "TV Menu" under "other" › "Time and Date".

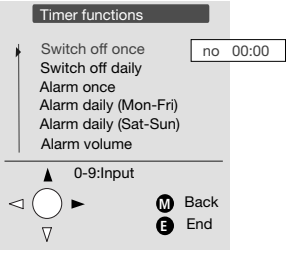
Timer options

If you want to remember a certain time on a certain day, once or daily, for example, or if the TV is to turn off (standby) once or daily at a certain time, you can set these functions in the "Timer options" menu.
If the device is on standby and you have selected the "Wake" function, the set switches on at the programmed time (also with a signal tone if this has been programmed).

Call up the "TV menu" with the **M** button.

Under "other" select the line "Timer functions".

Call "Timer functions".



Select the appropriate function.

Change to time entry

Enter the desired switch-off time or "Appointment/Wake-up time" with the number buttons

You can also set a signal tone for the wake-up time.

Select the "Alarm volume" line and set the desired volume.
If you do not want a signal tone for "Wake", set the value zero for the wake-up volume.

Exit Settings.

31669_022_Mimo15_Spheros_GB 12 26.01.2004, 13:58 Uhr

Daily Use

Changing Channels

To select channels, up / down.

With the number keys on the remote control:

1-digit channels
Keep the 0 – 9 key pressed for one second, the channel will change immediately.
Or tap the 0 – 9 key, the channel will change after 2 seconds.

long

short long

2-digit channels
Keep the second number key pressed for one second, the channel will change immediately.
Or tap both number keys, the channel will change after 2 seconds.

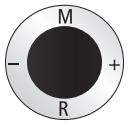
short short short

3-digit channels
Tap all three number keys, the channel will change immediately.
All channels can be entered using three digits, e.g. 007 for 7.

Switching between two channels

Switch to the last viewed channel using the yellow button.

Changing programs without the remote control:
With the ring on the front of the TV set.



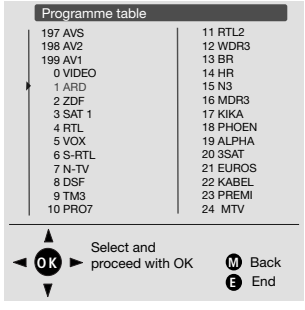
+ channel up.

– channel down.

Channel Preview

When selecting channels, help can be provided by the channel preview that can be called up. You can select a channel directly from this preview.

Display/remove channel preview with **OK**.



The currently selected channel is indicated with a triangle.

To skip channel or …

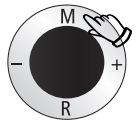
scroll through in columns.

Call marked programme with **OK**; the Programme Table is taken off screen.

Adjusting sound

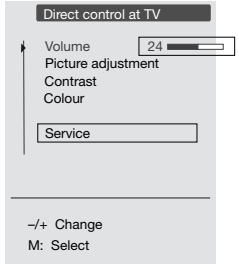
To adjust volume (only possible if no menu is displayed).

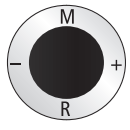
Operation on set, without remote control:



Press **M** at the top.

The "Direct control at the set" menu is displayed.



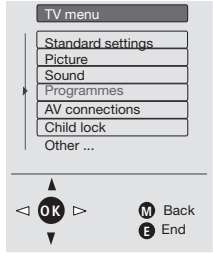


Press **M** until "Volume" is marked.

\+ louder
– quieter

Further sound adjustments can be made in the "Sound menu", the headphone volume and headphone sound can be selected and adjusted independently of the loudspeaker sound, for example.

To call up Sound menu.

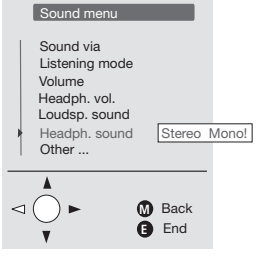


→

Daily Use

To select
menu line "Sound".

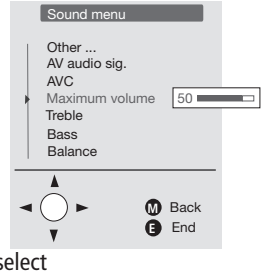
Call up the Sound menu



Select the line/function.

Change the function.

You can make additional adjustments in the Sound menu under "**other**":



To select
menu line.

To change and adjust.

Line: **"Sound via"**
Select "Hi-fi system" if the TV sound is to be transmitted over a Hi-fi system. The TV loudspeakers are turned off. Use a cable to connect the Hi-fi system to the "AUDIO OUT" cinch sockets on the rear of the TV set.

Line: **"Hi-fi volume"**
if "Sound over Hi-fi system" has been selected. Here you can adjust the volume of the Hi-fi system using the TV remote control.

Line: **"Listening mode"**
Here you can choose between Stereo / Panorama or Dolby Virtual sound reproduction.

Line: "Volume"
You can adjust the loudspeaker volume using the right/left arrows on the ring.

Line: **"Headphone volume"**
Use the right/left arrows on the ring to adjust the headphone volume.

Line: **"Loudspeaker sound"**
Here you can select a sound. You can choose between mono or stereo playback over the Hi-fi system for stereo programmes. For two-sound transmissions, you can select the main language, Sound 1, or the foreign language, Sound 2.

Line: **"Headphone sound"**
When receiving a two-sound programme from the cable network or from a roof-top aerial, you can select Sound 1 or Sound 2.

Line: **"AV Output sound"**
If a mono video recorder is connected to the audio/video connection socket (AV1) of the TV set, you can select Sound 1 (main sound) or Sound 2 (foreign language) when receiving a two-sound programme. You should select "Sound 1+2" for a stereo video recorder. When playing back the recording, you can then select the sound on the recorder.

Line: **"AVC"**
Use the right/left arrows on the ring to switch the Automatic Volume Correction on and off. If "AVC" is switched on, differences in volume when changing from one channel to another are reduced.

Line: **"Max. volume"**
You can limit the adjustable volume of the loudspeakers. This will prevent children from setting a volume that is too loud.
Use the right/left arrows on the ring to set a maximum value for the volume.

Line: **"Treble"**
Use the right/left arrows on the ring to raise (values 1 to 12) or lower (values -1 to -12) treble sounds.

Line: **"Bass"**
Use the right/left arrows on the ring to raise or lower (values 1 to 12 or values -1 to -12) bass sounds.

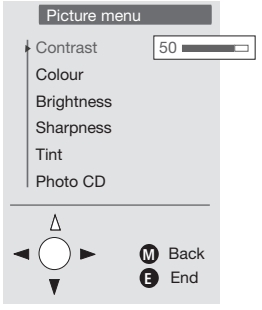
Line: **"Balance"**
Use the right/left arrows on the ring to adjust the balance so that the overall impression of volume is the same on the right and the left.

31669_022_Mimo15_Spheros_GB 14 26.01.2004, 13:58 Uhr

Daily Use

Adjusting Picture

To call up picture menu



Select menu lines

adjust

"Contrast"
The contrast must be set higher for brighter environments.

"Colour"
Use the colour of people's faces as a guide. Set so that people have a natural face colour.

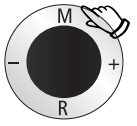
"Brightness"
This setting adjusts the brightness.

"Sharpness"
This sets the best outline resolution.

"Tint"
This function allows fine alteration of the red or blue colour toning.

"Photo CD"
Turn on this function for optimum image definition if you want to view pictures on a photo CD.

Setting the picture on the TV:



Press **M** at the top.

The "Operation on the set" menu is displayed.

Press **M** until the Picture hold, Contrast or Colour line is marked.

Adjust with – or +

Standard settings

In the "Standard settings" menu you can enter your personal settings for sound and picture, i.e. save volume, treble, bass, balance, picture hold, contrast, colour as standard settings, call your normal values or call the "Factory setting".
First set the picture and sound to suit your requirements and then save them as your normal values.

Show the TV menu with the **M** button

Mark "Standard setting"

Call the "Standard setting" menu

Mark "Store"

Save with **OK**.

Parental Lock

The parental lock blocks operation of the TV set. You can block all the channels or only specific channels. You can block all the channels once, daily or for a certain period of time.
If the parental lock has been activated, the PIN code is requested when the appliance is turned on.
If the PIN is not entered or is entered incorrectly, the set switches back to Standby after a short time. The red indicator light on the front of the set is then lit.

Activating parental lock:

Call up the TV menu

Select the line "Child lock"

Confirm with **OK** and ...

enter a four-digit PIN code

Confirm with **OK**

Remember the PIN code! (see page 32)

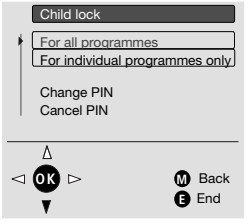
In the next menu you can choose whether the parental lock applies to all or specific channels, immediately or after the TV has been switched off or after a specific time period.

31669_022_Mimo15_Spheros_GB 15 26.01.2004, 13:58 Uhr

Daily Use

Parental lock for individual channels:

Select the line "For individual programmes only"



Call up the menu

Select the channels to be blocked in the displayed channel preview.

Confirm with **OK**.
The channel name is displayed in red.
In the same way, you can block the next channel, and so forth.

Use the **M** button to go back to the "Child lock" menu.
You can change or delete the PIN code in this menu.

End the adjustment

Operation with programmed parental lock:
The parental lock is activated when the TV set is switched off with the remote control or with the On/Off button on the TV set.
If all the channels have been blocked, the picture disappears and the PIN code is requested after the TV has been switched on again or when the blocking period begins. A channel can only be viewed if the correct number is entered immediately, otherwise the TV switches to standby.
If individual channels have been blocked, the PIN code is requested if one of these channels is selected.

Onscreen displays

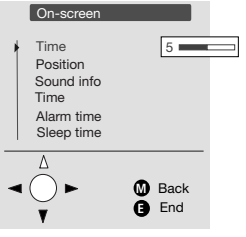
You can set the following in the "Onscreen displays" menu:

- the onscreen display duration, 2 to 9 seconds
- the display position top / bottom
- sound identification when changing programs no / yes
- time in the status display no / yes
- wake-up time in the status display no / yes
- switch-off time in the status display no / yes

Call up menu.

From "Others ..." select the line "On-screen display".

Call "On-screen display".



adjust

End adjustment

Note on "Sound info"
If you have selected "Sound info on", the sound transmitted by the broadcasting station, e.g. stereo, Nicam, Sound 1 or Sound 2, is displayed when the channel is changed.

Display status:

Tap this button if no menu is displayed.

Teletext Mode

Teletext provides you with information in text and images at no additional cost. The information is grouped into subject areas of topics and pages.
There are pages that contain a number of sub-pages; this is indicated at the top right of a Teletext page, e.g. 1/3. In other words, the first of 3 sub-pages is currently displayed. There are also pages with hidden content, e.g. for quiz questions or VPS times in the Teletext channel information.

With many channels, Teletext is transmitted using the TOP operating system (e.g. in Germany) or the FLOF operating system (countries outside Germany).
This TV set supports both operating systems.
As Teletext is transmitted continuously, page for page, there may be a waiting time when a page is selected, even with page memory.

The priority with Teletext is good TV reception, i.e. no noise or ghosting on the screen.

Teletext Operation:

To turn Teletext on/off

Preview page 100 or the Teletext page called up last is displayed.

Select a Teletext page, do this by entering the page number as a three-digit number.

After the page number has been entered, two page numbers are displayed. The first is the desired number, the second number runs through until the desired page number is received.

→

31669_022_Mimo15_Spheros_GB 16 26.01.2004, 13:58 Uhr

Daily Use

When you press one of the round coloured buttons on the remote control in Teletext mode, the possible operation with these coloured buttons appears for a few seconds at the bottom of the picture.
You can fast scroll or select topics with the coloured buttons.

Use the green button to scroll forward to the next available page.

Use the red button to scroll back to the previous page.

Use the yellow button to advance to the subject area given in the yellow text field.

Use the blue button to advance to the topic given in the blue text field.

Use the i-button to scroll back to preview page 100.

If a Teletext page with subordinated pages or with a three-digit page number is received, the corresponding control symbols are displayed at the bottom of the screen:

▲▼ or ◄ ► 1 2 3

Three-digit page numbers are given on many Teletext pages, you can select them directly.

View page using **OK**.

If a Teletext page with sub-pages is received, the selectable sub-pages are displayed, e.g. 1 2 3.

To select sub-page directly.

Changing Teletext character size:

By pressing the **9** key:
- once, upper half of the page
- twice, lower half of the page
- three times, normal page size

Multiple pages:
Multiple pages consist of a number of sub-pages that advance automatically. If you want to read a page at your own pace, then ...

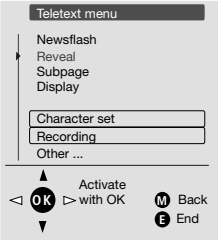
press the 0 key on the remote control.

Latest News / News Flashes:
Select a headline news page, e.g. 111, using the number keys to display news on the TV screen.

When offered, you can jump to other News pages and ...

view them by pressing **OK**.

When watching TV, you can have news flashes displayed by
A) calling up the Teletext menu using the **M** button,
B) selecting the line "News flashes" and
C) activating the function with **OK**.



The menu disappears and only the ✳ ✳ is displayed at the top left. Volume cannot be adjusted in this mode.
If a news flash is transmitted, this appears on the TV screen.
Repeat the operating steps A to C for the next news flash, and so forth.

Revealing Hidden Text / Pictures:
Some pages contain hidden information, e.g. for quiz questions or VPS times in channel preview times.

Call up the "Teletext menu".

Select the line "Reveal".
Confirm with **OK**.
The Teletext menu disappears.
The entire contents of the Teletext page will then be displayed.

Selecting sub-pages directly:

In Teletext mode press the **M** button and ...

select the line "Sub-page" in the Teletext menu.

Enter the sub-page numbers, e.g. 0003, and the Teletext menu will disappear, a search is made for the sub-page.

Representation:
Under "Representation" in the Teletext menu you can set:

"**wide**", the teletext page fills the screen;
"**narrow**", the teletext page is displayed on the left of the TV picture after ...

... pressing the **M** or **E** button.

→

31669_022_Mimo15_Spheros_GB 17 26.01.2004, 13:58 Uhr

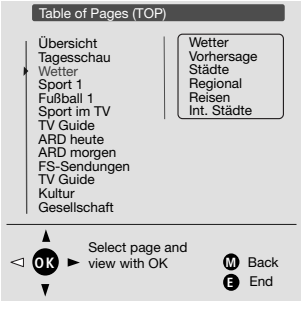
Daily Use

Changing Character Set:
Use this function to convert Teletext to the specified languages. This is necessary for Turkish or Polish Teletext, for example.

- Turn on Teletext using the **T** button.
- Call up the Teletext menu using the **M** button.
- Select the line "Character set".
- Confirm with **OK**.
- Select the language for Teletext.
- Confirm with OK. The menu disappears and the Teletext page is displayed.

TOP Table:
If you receive a TV channel that transmits the TOP Teletext operating system, you can quickly choose a topic from a subject list in the TOP table.

- Turn on Teletext using the T button.
- Press the **OK** button.
  The TOP table is displayed, provided that the channel provider transmits TOP.



- Use the up / down arrows on the ring to select a subject area and ...
- you will be able to call up a topic in the right-hand column quickly if more than one topic is offered.

Preview Pages:
The programmed factory settings already include a channel preview page for many TV channels, usually page 301. If the channel information for a channel is transmitted under a different page number, you can enter this page number.

- In Teletext mode call up the Teletext menu using the **M** button.
- Under "other ..." select the line "Preview pages".
- Confirm with **OK**.

The page number is given after the channel name in the "Preview page" overview.

Changing page numbers:
Use the up / down or left / right arrows on the ring to select a channel.
Enter a different page number using the number keys.

Switch back to the Teletext menu using the **M** button.

Subtitle Pages:
The programmed factory settings already include a subtitle page for many TV channels.

- Under "other ..." select the line "Subtitle pages".
- Confirm with **OK**.

The page number is given after the channel names in the "Subtitle pages" overview.

Changing page numbers:
Use the up / down or left / right arrows on the ring to select a channel.
Enter a different page number using the number keys.

Recording:
The "Record" function enables you to transfer information from a Teletext channel preview page to make a recording using a video recorder simply by selecting the start time of a programme. The information is transferred to the "Timer information" menu. A Loewe video recorder connected to the appropriate AV connection socket (AV=Audio-Video) will switch on to record at the specified time and will switch off again at the end of the programme.
During recording the green indicator light on the TV set is lit.

Transferring recording information from Teletext:
Teletext mode must be on, if not tap the **T** button.

A) Call up the Teletext menu using the **M** button.
B) Select the line "Record".
C) Confirm with **OK**.
   The channel preview page, e.g. 301, is located and displayed.
D) Use the up / down arrows on the ring to select the start time of a programme.

Note
The green button takes you to the next channel preview page, the red button takes you back again.

E) Confirm with **OK**. The information is then transferred.
   To check this, the "Timer information" menu is displayed. Check that the date and recording time are correct.
F) The information is transferred by pressing the **OK** button.

If you want to transfer more recording information, press the **M** button.
The line "Record" is highlighted.
Perform steps C to F.
Note: The teletext function is locked in timer recordings with VPS.

31669_022_Mimo15_Spheros_GB 18 26.01.2004, 13:58 Uhr

Daily Use

Radio mode

Your TV set has a radio receiver unit for the FM range (UHF).
In "First-time operation", the radio stations which can be received by the house antenna or cable system are stored in a separate radio program list.

Switching the radio mode on/off

Press the button on the remote control ...

The "Radio mode" menu is displayed.

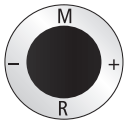
You hear the radio program you selected last. In radio mode, the screen goes dark after 20 seconds, the TV is in the sleep mode (saves energy).

You can prevent the screen going dark by pressing the red button briefly.

The menu shows you the program number and if available the name of the station or the frequency. If the station transmits RDS, the program type, title of the broadcast and other information is displayed.

Selecting a radio program:
(also possible when the picture is off)

Program selection up/down.



On the TV set: press + or – on the operating ring.

Direct program selection with the number buttons.

Controlling the volume:

Volume loud/quiet.

Other operating facilities:

Call radio program preview.

Blue: By briefly pressing this button, radio programs are played briefly one after the other (not possible when the screen is dark).

Stop "Play programs", press button again.

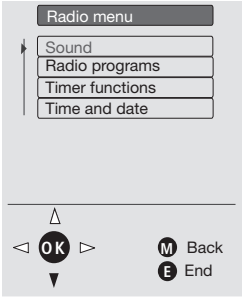
Yellow: Switch back to the previous program by briefly pressing this button.

Red: You can switch off or reactivate the "Radio shutdown" function with this button.

Mute sound, for example when you want to make a phone call. To switch the sound back on, press the button again.

Setting possibilities in the radio menu:

With the **M** button in the **Radio mode** you can call the "Radio menu".



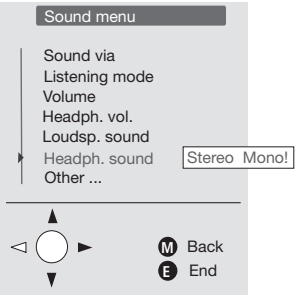
Call the "Sound" menu to make further settings in the radio mode:

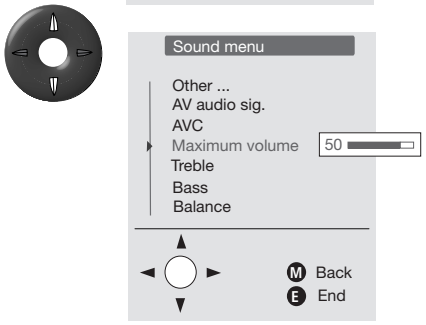
Select the "Sound" line.

Call the Sound menu.

→

Daily Use

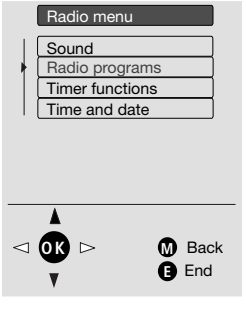




In these menus you can make the sound settings for the radio mode as described for TV mode on page 14.

Sorting radio programs:
You can change the order of the programs.

Select the line
"Radio programs"
in the "Radio menu".



Press **OK**.

Select the
"Sort" line.

Call the "Sort" menu with **OK**.

The program preview is shown.

Select a program name which you want to move.

Press the blue button briefly.

Move the program name to the desired program number. The program name which was at this number is shifted one position forward.

End moving by pressing the blue button again.

Repeat these operating steps if other programs are to be resorted.

Deleting programs:
You can delete a program from the program preview, e.g. when it has been stored double.

Select the program name you want to delete.

Press the red button briefly.
All other programs move back one position.

Reserving/inserting a program place:

Select a program number.

Press the yellow button to reserve a place.
All following programs move forward one place.

Deleting a program range:

Select a program number for the range start.

The program number/name is marked by pressing the **OK** button.

Select a program number for the end of range.

The marked program range is deleted
by pressing the **OK** button.

Timer functions

In radio mode you can also be reminded of an appointment at a certain time by a signal tone once or every day. You can also have the set switched off at a certain time.

Call the "Radio menu" in radio mode with the **M** button and then select the "Timer functions" line.

Select the appropriate function.
Operation: as described on page 12.

31669_022_Mimo15_Spheros_GB 20 26.01.2004, 13:58 Uhr

Operating Additional Equipment

Connecting and Operating Audio/Video Equipment

You will find sockets for connecting various devices on the back of the television set.
The following can be connected: video recorders and camcorders using the VHS, 8 mm video, SVHS and Hi8 systems, Pay-TV decoders, SET-TOP boxes, satellite receivers, video cameras, DVD Player and many more.

Connecting headphones:
You will find the socket for connecting headphones with a 3.5 mm stereo jack plug on the back of the set. Use headphones with an impedance of 32 ohms or higher.

Connecting Hi-fi Amplifier/System:

You can make the necessary adjustments to the playback of TV sound over the Hi-fi system in the "Sound menu".

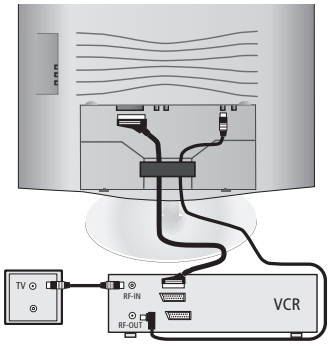
Connecting Video Equipment:
Channel numbers 197 to 199 have been pre-programmed for playback from video equipment, such as video recorders, DVD players or camcorders and are assigned correspondingly to the AV connecting sockets AV1, VIDEO IN, AVS.

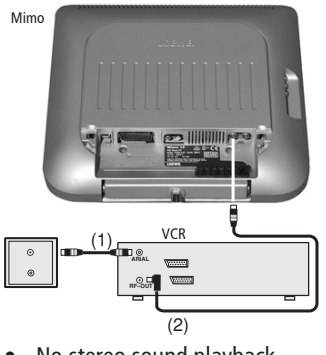
- Channel number 197 for the AVS sockets
- Channel number 198 for VIDEO IN (VIN)
- Channel number 199 for AV1

In principle, you can connect any video recorder to the TV set.
However, the design as well as the technology of Loewe video recorders are perfectly matched to this TV set. For example, you can operate the video recorder and the TV set with one remote control.

Connecting Video Recorder to VHF/UHF TV Aerial Input:
Disadvantages of connecting this way:

- Poorer picture and sound quality during playback.





- No stereo sound playback.
- The TV timer function cannot be used.

Video Playback over TV Aerial Input

The channel number zero on the TV set is pre-programmed with the following information for video playback:

– Range UHF
– Channel E 36
– Frequency 591.25 MHz
– Standard B/G
– Colour standard Automatic

A) Select channel zero on the TV set.
B) Turn on the video recorder.
C) Select the test picture on the video recorder or insert a pre-recorded tape and switch to playback.

If the video recorder transmitter is also set to channel 36 (usual situation), then you should now be able to get sound and pictures.

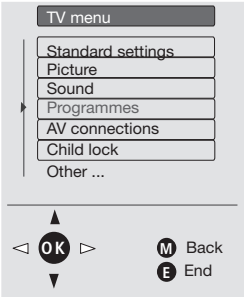
If you are not receiving a clear sound or picture, or not receiving anything, the video recorder is transmitting on a different channel; possible channel range UHF 30 to 39.
You can set transmitter channel 36 on the video recorder; the procedure for this is given in the operating instructions for the video recorder,
or ...
you can locate and save the transmitter channel on the TV set.

A) You have already selected channel number **0**, now...
B) press the **M** button to display the "**TV menu**".
C) Select the line "Programmes".
D) Confirm with **OK**.
E) In the "Programmes" menu, select the line "Setting manually".
F) Confirm with **OK**.
G) In the menu, select the line "Channel".
H) Set channel E30 using the number keys.

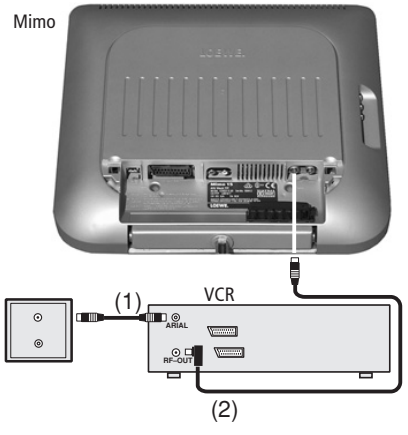
→

31669_022_Mimo15_Spheros_GB 21 26.01.2004, 13:58 Uhr

Operating Additional Equipment



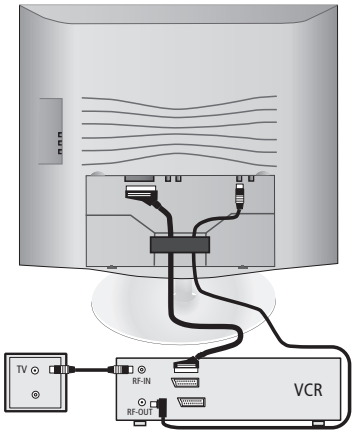
I) Disconnect the aerial cable (1) from the "RF in" aerial input of the video recorder.
K) Start the search by pressing the blue button. The search will stop when the video recorder transmitter has been found.
L) Press the red button to save this. Channel zero (VCR) should be highlighted in blue in the displayed channel preview.

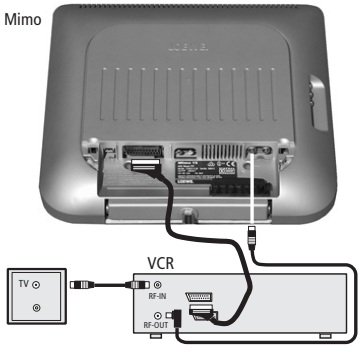


M) Press the red button again to save the video recorder transmitter.
N) Then connect the aerial cable (1) to the "RF in" aerial input of the video recorder again.

Connecting Video Recorder via AV Cable

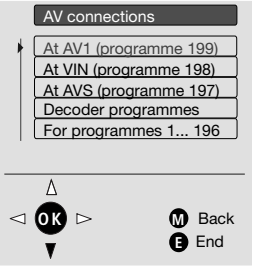
Connect a video recorder to AV socket via an AV cable (scart cable).



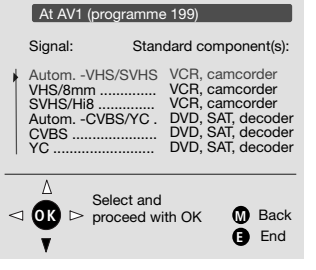


Advantages of connecting this way:
- Better picture and sound playback.
- Stereo sound playback possible.
- For two sound recordings, Sound 1 or Sound 2 can be selected.
- A hidden Loewe video recorder can be controlled using the TV remote control.
- It is possible to use the timer function of the TV set to turn on/off the Loewe video recorder for making recordings.

Setting Video Signal Type:
This setting depends on the connected video recorder or video equipment and can be carried out in the "AV Connections" menu.
The "AV Connections" menu can be called up from "Main Information" or from the "TV menu".
A) Press the **i** button to call up "Main Information".
B) Select the line "AV Connections".
C) Confirm with **OK**.



D) Select the AV connection to which the video equipment is connected, e.g. "AV" (channel 199).



E) Select the signal type for the connected video equipment.

31669_022_Mimo15_Spheros_GB 22 26.01.2004, 13:58 Uhr

Operating Additional Equipment

Note
If you set "Automatic - VHS/SVHS", for example, the signal type of the connected video equipment is usually detected during playback and set automatically for the AV connection socket used.
If a colour recording is to be played back by video equipment in back and white, then it is possible that the signal type will not be detected. In this case, select the corresponding signal type, e.g. VHS/8 mm or SVHS/Hi8, etc.
Some video equipment, e.g. Pay-TV decoders or computer game consoles, emit RGB signals (red, green, blue). This type of video equipment should be connected to the AV1 socket.

F) Confirm your settings with **OK**.
G) Normally, highlight "Automatic" in the "Standard" submenu. If the standard is not detected automatically, highlight the equipment-specific standard.
H) Confirm you setting with **OK**.
I) You quit settings with the **E** key.

Operating Video Equipment via Video Operating Strip

A Loewe videorecorder with Digital Link System connected to AV1 can be operated using a video control bar displayable on screen.

V= To display/remove video operating strip.

Note
A connected DVD player cannot be operated with this menu bar.

To select function.

OK Use **OK** to have the selected function carried out.

⏻ To turn on/off video equipment.

AUX To select AV socket on video recorder.

◀◀ To rewind or search backwards.

■ To stop (STOP)

▶ To play (PLAY)

▶▶ To fast-forward or search forwards

❚❚ Pause/Still

● Record: The TV channel currently selected will be recorded.

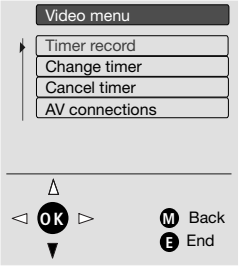
Note
You cannot switch over to another TV program now (the program is locked).
Also, you can only get the teletext from the currently selected program.
The lock is only released and another program selectable when recording has stopped.

Video Menu and Timer Recording

You can transfer recording information from Teletext to the "Timer recording" menu or enter it manually to record TV programmes with the video recorder.

V= To display the video operating strip.

M To remove the video menu.



Select the line "Timer record" and ...

OK confirm with **OK**.

A channel preview is displayed if you select the line "Via Teletext (VPT)" and confirm with **OK**.

In the preview, highlight the channel that you want to record.

To select a column.

31669_022_Mimo15_Spheros_GB 23 26.01.2004, 13:58 Uhr

Operating Additional Equipment

Press the **OK** button to search for the Teletext preview page.

Use the green button to scroll to the next page and the red button to scroll back.

Use the up / down arrow buttons to highlight the start time.

Press the **OK** button and the timer information is displayed for you to check.
This can be altered, e.g. select AV connection 1 ...

transfer the information to the timer using the **OK** button.

A maximum of 4 timer recordings can be programmed.

Note
Ensure that the date and time on the TV set have been set correctly.
The start and end times of a programme may change, therefore you should use the VPS times by selecting "**VPS yes**" in the "Timer Information" menu.
The set should never be switched off at the On/ Off switch if timer recordings have been programmed.

If you switch the TV set to Standby mode with the remote control, in the case of VPS recordings it switches over automatically about 1 hour before programme start to the appropriate programme and into Timer mode, i.e. the green indicator light on the front of the set is lit. Switch the videorecorder to Standby too, i.e. only the time is displayed.

Entering Timer Information "By Hand":
- Press the **V=** button.
- Call up the video menu using the **M** button.
- Select the line "Timer record".
- Confirm with **OK**.
- Select the line "Manual".
- Confirm with **OK**.
- In the preview, select the channel to be recorded.
- Confirm with **OK**.
- Check the timer information, such as AV connection, VPS yes or no, date.
- Enter the start and end times.
- Confirm with **OK**. The timer information is saved.
- Exit the menu using the **E** button.

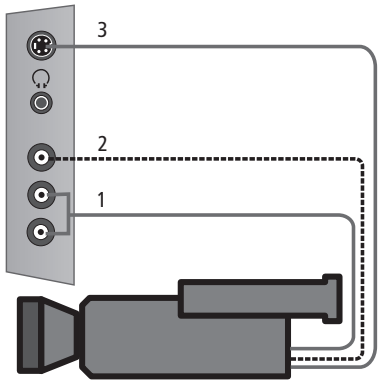
Changing or Cancelling Timer

- Press the **V=** button.
- Call up the video menu using the **M** button.
- Select the line "Change timer".
- Confirm with **OK**.
- Select the timer to be changed.
- Confirm with **OK**.
- Make the corrections.
- Confirm with **OK**. The new timer information is saved.

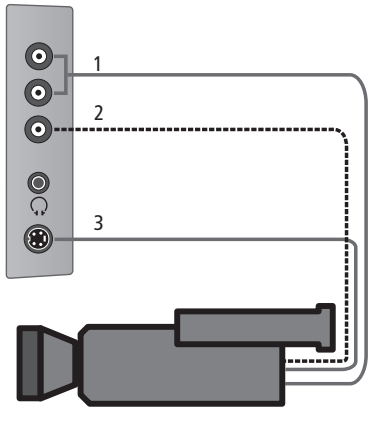
To cancel timer information, select the line "Cancel timer" in the video menu.
Select the timer to be cancelled and confirm with **OK** in order to cancel it.

Connecting TV Camera or Camcorder to „VIDEO IN" or AVS Connection Sockets

Picture section: TV rear panel Spheros 20/ Xelos SL 20



Picture section: TV rear panel Mimo 15



1= audio cable for stereo sound.
(red=right sound channel, white left channel)
2= video cable for VHS / 8 mm signal
3= for SVHS / Hi8 signal (AVS).

31669_022_Mimo15_Spheros_GB 24 26.01.2004, 13:58 Uhr

Operating Additional Equipment

Playing back picture and sound via the AVS front connection:
Select channel number 197; this is pre-programmed for playing back video and sound, e.g. from a camcorder.

At the "VIDEO IN" Cinch jack you can feed in the video signal from a VHS or 8 mm camcorder. To do this select programme number 198.

Copying of "VIDEO IN or AVS" to "AV" is not possible!

Note
You can for example select and store the video standard for the corresponding program number, e.g. VHS/8 mm or SVHS/Hi8 and the colour standard, e.g. PAL in the "AV connections – to AV1..." menu.

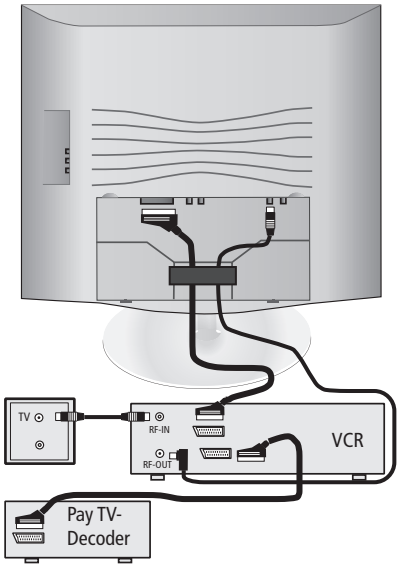
Video Playback via Other Channel Numbers

You can also use any other channel number for video playback, provided that the video equipment connected to the AV1 socket supplies a switching voltage to the TV set and the "AV Switching Voltage" under "For Programmes 1 ... 196" in the "AV Connections" menu is permitted.

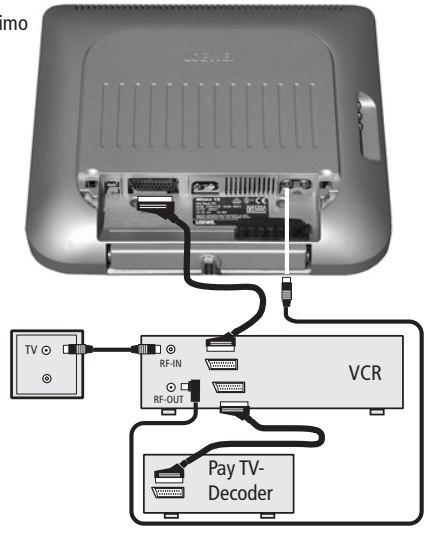
Switch the video equipment to playback; this switches off the TV channel and the video can be played back.

Decoder Channels

You must highlight encoded TV channels, e.g. premiers etc., as decoder channels.



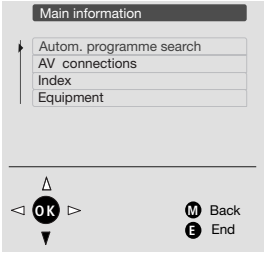
Mimo



Connect the videorecorder (VCR) and pay-TV decoder or a SET-TOP BOX for digital television as shown in the connection diagram.

Highlighting Decoder Channels:

A) Press the **i** button to call up "Main Information".



B) Select the line "AV Connections".
C) Confirm with **OK**.
D) Select the line "Decoder programmes" in the menu.
E) Confirm with **OK**.
F) Select the line "For decoder connected to AV1" if the Pay TV decoder is connected to the AV1 socket.
   Note
   With some Pay TV channels, the picture and the sound are encoded. If this is the case, both signals must be decoded by the decoder and then sent to the video recorder and TV set.
G) Select the encoded channel in the decoder channel preview.
H) Confirm with **OK**. The channel number and name are now highlighted in blue.
I) Go back to the menu by pressing the **M** button.
J) Select the line "Sound from AV Socket" and set "Dec." using the right/left arrows on the remote control. If the sound is encoded only at times, then set "Autom.". If the sound is never encoded, set "**TV**".

Repeat operating steps F to H to program additional Pay TV channels.

31669_022_Mimo15_Spheros_GB 25 26.01.2004, 13:58 Uhr

Operating Additional Equipment

Converting Remote Control for VTR or DVD Equipment

Loewe DVD players and video recorders can be operated directly using the remote control.

1. Converting remote control:

Press button,
the VTR indictor on the remote control lights up...

For DVD players, press the button again, the DVD indicator lights up...

press again, none of the indicators is lit up, **TV Mode** is activated.

Obviously if you switch to another appliance, e.g. VTR, the TV cannot be operated. Either switch back to TV or wait 20 seconds for the remote control to switch back to TV mode automatically. If the video recorder or the DVD player is no longer being operated (after 20 seconds), the remote control will switch back to TV mode, no indicator will be lit up.

Note: With Loewe video recorders VV3600H, VV8500H and VV5000M, use the original remote control or ...

2. **In TV mode** you can operate the Loewe videorecorder connected to the "Euro AV jack" (AV) through the video control bar:

V= To call up the video operating strip

To select function.

OK Start function.

Index

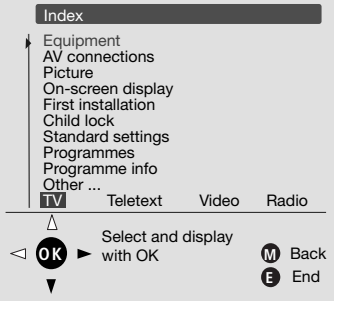
You can access menus or Teletext quickly and directly from the index.
The index is found under Main Information.

i Press this button.

Select the line "Index".

OK Confirm with **OK**.

To select operating mode: TV, Teletext, Video or Radio.



Select an index item ...

OK and display it with **OK**.

Note

You can activate "Switching on for the first time" from the index if the TV set has already been programmed.

31669_022_Mimo15_Spheros_GB 26 26.01.2004, 13:58 Uhr

Setting Channels Manually

Setting Manually

The menu enables you to subsequently alter channels that have already been saved, or to search for others, add them to the channel preview and save them, provided that you know the transmission modalities of the broadcasting station.
The following functions can be performed:

1. Selecting TV reception range.
2. Setting channel number.
3. Directly entering frequency for a broadcasting station.
4. Entering channel names.
5. Selecting TV standard.
6. Selecting colour standard.

Calling up "Set Manually" menu:

Press button.

Select the line "Programmes".

Confirm with **OK**.

Select the line "Setting manually".

Confirm with **OK**.

Select the "Range" in which you want to search for a broadcasting station.

Select the line "Channel"
or ...
"Frequency" and ...

enter the numbers, if known.

You can also start a channel or frequency search by pressing the blue button.

The search stops when a broadcasting station has been found.
Note that only broadcasting stations with the set "TV Standard", e.g. B/G, are displayed correctly.
If you want to locate broadcasting stations with a different TV standard, you must first set the corresponding TV standard and set the "Colour Standard" to automatic, or set the colour standard and then start the search.
The channel name is displayed automatically if the broadcasting station also transmits Teletext.

Saving Settings:

Press the red button.
This will display the channel preview. A channel, i.e. a channel number, is highlighted in blue.

You now have two options for saving:

1. If you have altered settings for a channel that has already been saved, then "overwrite" the old settings by pressing the red button.
2. You can "insert" the channel into the channel list by pressing the yellow button.

To remove channel preview.

Note on TV Standards
Entering the TV location for the automatic channel search automatically sets the normal TV standard for this country.
If you can receive broadcasting stations from other countries, you may have to select the correct standard
under "TV Standard" in the "Set manually" menu.
Select a TV standard and confirm with **OK**; the colour standard is then assigned automatically.
If the quality of the colour picture is poor, the corresponding colour standard must be set manually.

Standard	Country
PAL-B/G	D, DK, S, NL, A, I, E, P, N, B, etc.
PAL-I	GB, Ireland, South Africa
SECAM-L	France
SECAM-B/G	Greece, Lebanon, Tunisia
SECAM-D/K	Russia, Hungary
PAL-D/K	CR, SR, Hungary, China, Poland
NTSC-M	Japan, USA, US military transmitters in Europe
PAL-V	PAL / 60 Hz
PAL-M	PAL / 60 Hz
PAL-N	Argentina
NTSC-V	Special standard for NTSC video recorders with 4.43 MHz colour carrier frequency.
PAL-L	Special standard for camcorders in France

31669_022_Mimo15_Spheros_GB 27 26.01.2004, 13:58 Uhr

What to do when ...

Problem	Possible cause	Remedy
The "Channels" menu item is missing from the TV menu and the "Automatic channel search" item is missing from Main Information	a) The parental lock has been activated. If these menus were accessible, children would be able to adjust the channels. b) A recording is in progress on the videorecorder	Deactivate channel-specific parental lock: switch off the parental lock in the TV menu – Parental Lock.
Loewe video recorder operation via the video operating strip and the timer are not functioning properly, or not at all	a) The Digital Link function on the video recorder has not been activated or is not possible. b) AV cable is not connected.	a) Activate Digital Link on the video recorder (see video recorder's operating instructions, for newer video recorders in the menu under "Settings") b) Connect AV cable.
General problems when connecting external equipment via an AV input	a) No or a wrong audio/video cable has been connected to one of the AV sockets. b) The AV standard has been set incorrectly. c) The AV signal has been set incorrectly.	a) Compare the actual appliance connection to the specified AV connection in "Main Information" under "AV Connections" and make a new selection, if necessary. b) Set standard according to the video equipment. c) Set AV signal correctly. If "Automatic" has been set in the "AV Connections" menu under "Signal" or "Standard", this may lead to incorrect detection for signals outside the standard. The standard and the signal must then be set according to the video equipment. The specifications can be found in the operating instructions for the external equipment.

31669_022_Mimo15_Spheros_GB 28 26.01.2004, 13:58 Uhr

What to do when ...

Problem	Possible cause	Remedy
Connection of a decoder does not function properly or not at all	a) The signal is not being decoded because the decoder channel positions in Main Information – AV Connections – Decoder Channels – For Decoder at AV ... are not highlighted in blue. b) The sound is missing in decoder mode because Sound from AV socket ... – has not been set correctly under Main Information – AV Connections – Decoder Channels.	a) Under the "For Decoder at AV ..." sub-item, highlight the channel positions where the decoder is necessary. b) Correct setting (see decoder instructions).
No sound over the TV loudspeakers	The "Sound over ..." item has been set to "Hi-fi system" in the sound menu under "Sound".	Change setting to "TV".
All menus appear in the wrong language	Menu language was accidentally set incorrectly.	Set your menu language: 1. Call up the TV menu (if no menu is displayed), press the **M** button. 2. Select the last menu line "Language" and press the **OK** button. 3. Now select the correct language and 4. ... confirm with **OK**. 5. Remove the menu with the **E** button.
No time, wake-up timer, sleep timer display	In the "Displays" menu, "no" has been selected for time, wake-up timer, sleep timer.	Highlight "yes" in the "Displays" menu for each item.
No display for sound identifier of stereo, mono or 2-sound	In the "Displays" menu, "no" has been selected under "Sound identifier".	Highlight "yes" in the "Displays" menu under "Sound identifier". Press the E button and the channel name and sound standard will be displayed. If the broadcasting station changes the sound standard, this will also be indicated.

31669_022_Mimo15_Spheros_GB 29 26.01.2004, 13:58 Uhr

Technical Data

Mechanical Data

Typ	Spheros 20	Xelos SL 20	Mimo 15	Mimo 20
Part number	63401 A60	63448 A60	63402 A60	63406 A60
Dimensions with base (cm)				
W x H x D	53,8 x 49,7 x 25,7	53,8 x 53,9 x 25,7	46,5 x 45,0 x 27,0	49,9 x 53,3 x 25,7
without base	53,8 x 46,3 x 7,7	53,8 x 46,3 x 7,7	46,5 x 45,0 x 6,8	49,9 x 53,3 x 7,3
Weight (kg)	13,1	8,5	6,0	8,4
Display	TFT-LCD	TFT-LCD	TFT-LCD	TFT-LCD
Format	4:3	4:3	4:3	4:3
Picture diagonal	50 cm	50 cm	38 cm	50 cm

Electrical Data

Chassis designation L 3010T
Power supply 110 V to 240 V / 50-60Hz

Spheros 20/ Xelos SL 20/ Mimo 20
Power consumption During operation appr. 65 Watt
Standby < 3 Watt
AC adapter < 1 Watt

Mimo 15
Power consumption During operation appr. 40 Watt
Standby < 3 Watt
AC adapter < 1 Watt

Ambient temperature 0° – 35° Celsius
Tuner VHF/UHF/ Cable (Hyperband 8 MHz) 41 MHz to 860 MHz
Channel location memories 200
TV standards B/G, I, L, D/K, M, N
Colour standards SECAM, PAL, NTSC, NTSC-V, PAL-V (60Hz)
Sound standards Mono/Stereo/2-Ton Nicam B/G, I, L
Rated audio power 2 x 2 Watt

Teletext Level 1.5
FM-Tuner 87,5 - 108 MHz

Connections

IEC-socket 75 Ohm		TV Aerial / cable
IEC-socket 75 Ohm		FM aerial / cable
Mini-DIN	Video IN	Y/C (S-VHS / Hi 8)
		CVBS (VHS/8 mm)
Cinch (yellow)	Video IN	CVBS (VHS/8 mm)
Cinch (whit/red)	Audio IN	L + R
Jack 3.5 mm	Headphones	32 – 200 Ohm
EURO AV	Video IN	Y/C (S-VHS / Hi 8)
		CVBS, RGB (VHS/8mm)
	Video OUT	CVBS
	Audio IN	L + R
	Audio OUT	L + R
Cinch	Audio OUT	L + R
		Level adjustable

Available accessories

Wall holder WM 33 for Spheros 20

- This wall bracket allows the TV set to rotate by +/-20°. The inclination of the TV set can also be changed by approx. 10°.

- Floor stand, article number 62498A00.

Wall holder WM 34 for Mimo 15/ Mimo 20 and Xelos SL 20

- This wall bracket WM 34 allows the TV set to rotate by +/-20°. The inclination of the TV set can also be changed by approx. 10°.

- Flat-TV F-Stand 2 (Floor stand), article number 63495.

- Exchangeable screen surrounds in the following colours: Platinum, Cream, Anthracite, Ocean Blue or Cayenne Red.

- SAT conversion kit for satellite conversion.

31669_022_Mimo15_Spheros_GB 30 26.01.2004, 13:58 Uhr

Service Adressen/addresses/adresses/indirizzi/direcciones/adresy

Australia
International Dynamics Australasia Pty Ltd.
129 Palmer Street
AUS - Richmond, Victoria 3121
Tel. 03–94 29 08 22
Fax 03–94 29 08 33

Benelux
Loewe Opta Benelux NV/SA
Uilenbaan 84
B–2160 Antwerpen
Tel. 0902–88 00 2
Fax 03–271 01 08
Loewe Opta Nederland B.V.
Ravenswade, 54A1
NL–3439 LD Nieuwegein (Utrecht)
Tel. 0900–20 20 180
Fax 030–280 33 27

Česká republika
TIPA sdruzení
Dolní nám. 9
CZ–746 01 Opava 1
Tel: 0653-62 49 44
Fax: 0653-62 31 47

CIS
Service Center Loewe
ul. Verkhnyaya Maslovka, d. 29
RUS–125083 Moscow
Tel. 095–212 50 43, 956 67 64
Fax 095–212 47 10

Cyprus
L&M Eurappliances Ltd
P.O. Box 23426
Kennedy Avenue 1A&B
CY–Nicosia
Tel. 02–42 05 10
Fax 02–42 87 70

Danmark
Kjaerulff 1 Development A/S
Vestre Stationsvej 9
DK–5000 Odense C
Danmark
Tel. 0661–354 80
Fax 0661–354 10

Deutschland
Loewe Opta GmbH
Kundendienst Zentrale
Industriestraße 11
D–96317 Kronach
Tel. 09261–990
Fax 09261–95411

España
Gaplasa S.A.
Conde de Torroja, 25
E–28022 Madrid
Tel. 91–748 29 60
Fax 91–329 16 75

France
Sorep Import S.A.
11 rue de la Durance
F–67029 Strasbourg Cédex 1
Tel. 03–88 79 72 50
Fax 03–88 79 72 59

Great Britain
Linn Products Limited
PO Box 8465
Prestwick
UK – KA 7 2YF
Tel. 01292–47 15 52
Fax 01292–47 15 54

Hellas
SOUND HELLAS S.A.
Kleanthous Str. 10
GR–54642 Thessaloniki
Tel. 2310–85 61 00
Fax 2310–85 63 00

Helvetia
Telion AG
Rütistrasse 26
CH-8952 Schlieren
Tel. 01–732 15 11
Fax 01–730 15 02

Italia
General Trading SpA
Via Vittorio Emanuele, 33
I–50041 Calenzano (FI)
Tel. 055–88 11 71
Fax 055–88 11 74 0

Magyarország
Basys Magyarorszagi KFT
Epitok utja 2–4
H–2040 Budaörs
Tel. 023–415 637/121
Fax 023–415 182

Norge
CableCom AS
Østre Kullerød 5
N–3214 Sandefjord
Tel. 033–48 33 48
Fax 033–44 60 44 Fax 033–48 33 33

Malta
Mirage Holdings Ltd
Flamingo Complex
Cannon Road
M–Qormi
Tel. 49 71 82
Fax 44 59 83

Österreich
Robert Bosch AG
Postfach 146
A–1011 Wien
Tel 01–79 72 24 500
Fax 01–79 72 24 599

Polsko
Piotech
ul. Boh. Getta Warszawskiego 18
PL–81-609 Gdynia
Tel./Fax 058–62 43 467 / 058–62 45 009

Portugal
Videoacustica
Comercio e Representacoes de
Equipamentos Electronicos S.A.
Estrada Circunvalacao
Quinto do Paizinho, Arm. 5
P–2795-632 Carnaxicle
Tel. 21–42 41 770
Fax 21–41 88 093

Sverige
Canseda AB
Amalia Jönssons Gata 19
S–421 31 Västra Frölunda
Tel. 031–70 93 760
Fax 031–47 65 15

Slovenija
Jadran Trgovsko Podjetje
Partizanska cesta 69
SL-6210 Sezana
Tel. 057–391 4o2
Fax 057–391 400

Turkey
Enkay Elektronik Servis Müdürlügü
Alemdag Cad: Site Yolu No.: 10
Ümraniye/ Istanbul
Tel. 0216–523 15 94/96
Fax 0216–523 16 58

31669_022_Mimo15_Spheros_GB 31 26.01.2004, 13:58 Uhr

Printed in Germany
1/01/04/1.0
Subject to modifications!

The code number 3001 cancels a PIN code and therefore also the parental lock.
Please keep it in a safe place.

31669_022_Mimo15_Spheros_GB 32 26.01.2004, 13:58 Uhr